

**Faculty of Pharmacy**

**Physical Pharmacy**

**Information :**

**Course Code :** PT 202

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Faculty of Pharmacy

**Area Of Study :**

This course provides students with knowledge of physicochemical principles essential for the design and formulation of pharmaceutical products. Students are introduced to the fundamental concepts of states of matter, phase equilibrium, colligative properties, isotonicity, solubility, dissolution, partition coefficient, surface and interfacial phenomena, surface active agents, adsorption and rheological behavior of dosage forms focusing on the theory behind phenomena and its application in pharmacy needed for dosage form design.

**Description :**

This course provides students with knowledge of physicochemical principles essential for the design and formulation of pharmaceutical products. Students are introduced to the fundamental concepts of states of matter, phase equilibrium, colligative properties, isotonicity, solubility, dissolution, partition coefficient, surface and interfacial phenomena, surface active agents, adsorption and rheological behavior of dosage forms focusing on the theory behind phenomena and its application in pharmacy needed for dosage form design.